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(54) ANTHRAQUINONE COMPOUND AND POLARIZING FILM PREPARED THEREFROM

(57)Abstract:

NEW MATERIAL: An anthraquinone compound of formula I, wherein R¹-R⁶ are each H, halogen, OH or [(alkoxy)alkyl-substituted]amino; R⁷ is (cyclo)alkyl, alkoxy, halogen or dialkylamino-substituted phenyl, biphenyl or naphthyl and R⁸ is alkyl or halogen and X is O, S or imino.

EXAMPLE: A compound of formula II.

USE: The title compound which has excellent solubility in an organic polymer and high dichroism and can give a clear-blue polarizing film of an excellent polarizing property, heat resistance, moisture resistance, weathering resistance and transparency.

PREPARATION: An anthraquinone compound of formula III is reacted with a compound of formula IV at 50W200°C in the absence of any solvent or in the presence of an alcoholic, aromatic, amide or the like solvent.

